



# National Weather Service

## Storm Data and Unusual Weather Phenomena



January 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### OHIO, North

**OHZ003-006>014-017>023-027>033-036>038-047** Lucas - Wood - Ottawa - Sandusky - Erie - Lorain - Cuyahoga - Lake - Geauga - Ashtabula - Hancock - Seneca - Huron - Medina - Summit - Portage - Trumbull - Wyandot - Crawford - Richland - Ashland - Wayne - Stark - Mahoning - Marion - Morrow - Holmes - Knox

02	0400EST 2200EST	0	56	600K	Winter Storm
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Snow changed to freezing rain and sleet, with a brief change to rain as temperatures rose slightly above freezing, and then back to snow. Temperatures dropped quickly into the teens causing the wet snow and ice to refreeze and creating significant ice on the ground, roads and sidewalks. Snow accumulations generally averaged six to eight inches with as much as 10 inches in northwest Ohio. Travel was restricted when some counties declared level two or three emergencies, including Wood, Lucas, Seneca and Hancock. Air temperatures eventually fell to near zero and the icy conditions and cold temperatures, with wind chills of around 30 degrees below zero, continued throughout the first week of January, closing schools and causing many minor car crashes and fender benders. Dozens of people were injured from falls on the ice. Many sidewalks and secondary streets remained uncleared for days due to the combination of very cold temperatures and thick ice. Salt was in such demand that most stores ran out and had difficulty restocking.

**OHZ012>014** Lake - Geauga - Ashtabula

06	0700EST 1900EST	0	0	Heavy Snow
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Snow accumulated an average of six to seven inches in parts of Lake and Geauga Counties and along the lakeshore in Ashtabula County.

**OHZ009>014-018>023-027>033-036>038-047** Erie - Lorain - Cuyahoga - Lake - Geauga - Ashtabula - Seneca - Huron - Medina - Summit - Portage - Trumbull - Wyandot - Crawford - Richland - Ashland - Wayne - Stark - Mahoning - Marion - Morrow - Holmes - Knox

08	0400EST	0	0	46K	Winter Storm
09	0900EST				

Snow in the morning and early afternoon on the 8th changed to sleet and freezing rain, then back to snow in the evening, and the snow continued into the morning hours on the 9th. Snow accumulations averaged six to eight inches with an average of 1/4 inch of ice. Several minor car accidents were reported.

**OHZ012>014** Lake - Geauga - Ashtabula

10	2300EST	0	0	75K	Heavy Snow
11	0900EST				

Heavy lake effect snow accumulated from six inches in Lake County to eight inches in Geauga County and 12 inches in Conneaut in Ashtabula County. The cover of snow and ice that had accumulated since late December now averaged up to two feet in depth. On the 12th, in Andover (Ashtabula County), the roof of a local business collapsed under the weight of the snow and ice. Two vehicles were destroyed and a work area damaged.

**OHZ010>014-017>023-027>033-036>038-047** Lorain - Cuyahoga - Lake - Geauga - Ashtabula - Hancock - Seneca - Huron - Medina - Summit - Portage - Trumbull - Wyandot - Crawford - Richland - Ashland - Wayne - Stark - Mahoning - Marion - Morrow - Holmes - Knox

13	0130EST 1400EST	0	0	58K	Winter Storm
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Freezing rain and sleet changed to snow as a stalled front across northeast Ohio began to sag south. Most areas had 1/4 inch of ice followed by one to three inches of new snow, with accumulations of four to six inches from Wooster (Wayne County) to Canton (Stark). A number of minor car accidents occurred and power lines were downed. In order to restrict traffic, level two and three emergencies were declared in some counties, including Ashtabula, Hancock and Trumbull.

**OHZ008-010>011** Sandusky - Lorain - Cuyahoga

14	0000EST	0	2	250K	Heavy Snow
17	2359EST				

During a 24 hour period, snow, while not reaching the threshold for heavy snow, continued to pile up. The cover of snow and ice that had accumulated since late December now averaged 14 to 18 inches. The weight of the snow and ice caused structures to collapse and damage to trees. Damage was mostly confined to outbuildings. Cold temperatures caused pipes to burst. On the 16th,



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					Killed	Injured	Property	Crops	

### OHIO, North

a facade and awning collapsed at a local business in Fremont (Sandusky County), injuring two people. In Elyria (Lorain), the canopy of a gas station collapsed.

**OHZ012>014-021>023-032>033**

**Lake - Geauga - Ashtabula - Summit - Portage - Trumbull - Stark - Mahoning**

<b>14</b>	<b>2200EST</b>	<b>0</b>	<b>0</b>	<b>1.0M</b>	<b>Heavy Snow</b>
<b>15</b>	<b>0700EST</b>				

Heavy snow accumulated six to ten inches and blowing and drifting snow contributed to several traffic accidents. To restrict traffic, a level three emergency was declared in Trumbull County. The weight of snow and ice that had built up in the area since late December caused structures to collapse and damage to trees. Pipes burst because of the cold temperatures. The snow and ice cover ranged from 16 inches in Summit County to as much as 30 inches in Ashtabula County, where several buildings collapsed as a result. In Andover, on the 14th, one barn roof collapsed and then another on the 15th, damaging or destroying hay and farm machinery. On the 15th, one pole barn in Colebrook and one in Jefferson collapsed. Tractors, a pickup truck, tools, an all terrain vehicle and a bulldozer stored in them were damaged or destroyed. On the 17th, a building collapsed at the county fairgrounds in Summit County. Twenty six vehicles stored there were damaged or destroyed.

**OHZ009**

<b>Erie</b>					
<b>22</b>	<b>1000EST</b>	<b>0</b>	<b>0</b>	<b>100K</b>	<b>Flood</b>
<b>24</b>	<b>0310EST</b>				

Rain and snowmelt caused the Huron River at Milan to exceed its flood stage of 14 feet. The river crested at 20.18 feet at 1945 EST on 01/22/99. Flooding occurred in lagoon communities from Milan to near Huron. Several roads were flooded and some small businesses were affected by the floodwaters in Milan near Route 250.

**OHZ036**

<b>Marion</b>					
<b>22</b>	<b>1500EST</b>	<b>0</b>	<b>0</b>		<b>Flood</b>
<b>24</b>	<b>0100EST</b>				

Rain and snowmelt caused the Scioto River at LaRue to exceed its flood stage of 11 feet. The river crested at 12.33 feet at 2050 EST on 01/22/99. Flooding was confined to low lying areas along the river and some low spots on nearby highways.

**Medina County**

<b>Chippewa On The Lake</b>	<b>22</b>	<b>1700EST</b>	<b>0</b>	<b>0</b>	<b>Flood</b>
		<b>2200EST</b>			

Snowmelt and rainfall over several days saturated the soil and caused flooding of small streams, streets and low lying areas. Chippewa Road was covered by four feet of water in places.

**Ashland County**

<b>Countywide</b>	<b>22</b>	<b>1800EST</b>	<b>0</b>	<b>0</b>	<b>50K</b>	<b>Flood</b>
	<b>25</b>	<b>1200EST</b>				

Snowmelt and rainfall over several days saturated the soil and caused flooding of streets, streams, drainage ditches, fields and low lying areas. Sections of the Mohican River rose above its banks and some roads and fields near the river and its tributaries remained under water on the 25th, although the river stayed below flood stage. Charles Mill Lake Park also was still experiencing flooding of roads and nearby fields on Monday.

**OHZ009**

<b>Erie</b>					
<b>23</b>	<b>0600EST</b>	<b>0</b>	<b>0</b>	<b>100K</b>	<b>Flood</b>
<b>24</b>	<b>0700EST</b>				

Ice jams on the Vermilion River at Vermilion caused it to exceed its flood stage of 10 feet. The river crested at 12.6 feet at 1130 AM EST on 01/23/99. Twenty homes on Riverside Drive had to be evacuated for 12 hours.

**OHZ008**

<b>Sandusky</b>					
<b>23</b>	<b>0700EST</b>	<b>0</b>	<b>0</b>		<b>Flood</b>
<b>25</b>	<b>1737EST</b>				

Rain and snowmelt caused the Portage River at Woodville to exceed its flood stage of nine feet. The river crested at 12.32 feet at



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### OHIO, North

1250 PM EST on 01/24/99. Flooding occurred in low lying areas including Trail Marker Park

**OHZ036**

**Marion**

**23 1115EST**  
**27 2230EST**

**0 0**

**Flood**

Rain and snowmelt caused the Scioto River at Prospect to exceed its flood stage of nine feet. The river crested at 11.32 feet at 0200 EST on 01/25/99. Highway 203 became impassable north of Water Street and flooding occurred along Elm Street.

**Ashtabula County**

**Ashtabula**

**23 1200EST**  
**1600EST**

**0 0**

**75K**

**Flash Flood**

An ice jam on the Ashtabula River at Northcoast Marina and Yacht Club broke loose and snapped the docks apart like twigs. The river also flooded bottom land and at least one road. Other rural roads were flooded by melting piles of snow.

**Ashtabula County**

**Kingsville**

**23 1430EST**  
**2000EST**

**0 0**

**75K**

**Flash Flood**

An ice jam broke on Conneaut Creek. Nearby homes were flooded

**OHZ017**

**Hancock**

**23 1500EST**  
**24 1600EST**

**0 0**

**Flood**

Rain and snowmelt caused the Blanchard River at Findlay to exceed its flood stage of 11 feet. The river crested at 11.23 feet at 0650 EST on 01/24/99. Some roads were flooded and Riverside Park was also affected.

**OHZ003**

**Lucas**

**23 1700EST**  
**26 1500EST**

**0 0**

**75K**

**Flood**

Rain and snowmelt caused the Maumee River at Waterville to exceed its flood stage of nine feet. The river crested at 13.36 feet at 0700 EST on 01/25/99. Basement flooding occurred in homes along the river and also in Side Cut Park.

**OHZ006**

**Wood**

**23 2100EST**  
**27 1900EST**

**0 0**

**200K**

**Flood**

Ice jams caused the Maumee River at Grand Rapids to exceed its flood stage of 15 feet. The river crested at 18 feet at 2300 EST on 01/23/99. Roads, fields, businesses and homes were flooded. Flooding of streets and parking lots occurred in Pemberville, also on the Maumee River.

**OHZ027**

**Wyandot**

**23 2100EST**  
**24 1500EST**

**0 0**

**Flood**

Rain and snowmelt caused the Sandusky River at Upper Sandusky to exceed its flood stage of 13 feet. The river crested at 13.5 feet at 0700 EST on 01/24/99. Flooding was confined to low lying areas.

**Trumbull County**

**Countywide**

**23 2200EST**  
**24 1200EST**

**0 0**

**Flood**

Snowmelt mixed with rainfall that occurred for several days caused flooding of small streams, roads and low lying areas.

**OHZ038**

**Holmes**

**24 0030EST**  
**2030EST**

**0 0**

**Flood**

Rain and snowmelt caused the Killbuck Creek at Killbuck to exceed its flood stage of 16 feet. The river crested at 16.02 feet at 0430 EST on 01/24/99. Flooding was confined to low lying areas



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### OHIO, North

OHZ023

Trumbull

24 1300EST  
25 0800EST

0 0

Flood

Rain and snowmelt caused the Mahoning River at Leavittsburg to exceed its flood stage of 10 feet. The river crested at 10.22 feet at 0100 EST on 01/25/99. Flooding was confined to low lying areas.

### PENNSYLVANIA, Northwest

PAZ001>003

Northern Erie - Southern Erie - Crawford

02 1200EST  
2300EST

0 14 90K

Winter Storm

Snow changed to freezing rain and sleet, then briefly to rain as temperatures rose above freezing, and back to snow again. Snow accumulations averaged around six inches. Temperatures then dropped into the teens and the wet snow and ice refroze, creating significant ice on the ground, roads and sidewalks. The icy conditions and low temperatures, with wind chills as low as thirty degrees below zero, continued throughout the first week of January resulting in many minor traffic accidents, injuries from falls on the ice and school closings.

PAZ001>003

Northern Erie - Southern Erie - Crawford

08 0900EST  
09 0900EST

0 0

Winter Storm

Snow in the morning and afternoon of the 8th changed to sleet and freezing rain, then back to snow in the evening, and the snow continued into the morning of the 9th. Snow accumulations averaged eight to nine inches with an average of 1/4 inch of ice. A number of minor car accidents occurred.

PAZ001>002

Northern Erie - Southern Erie

10 2300EST  
11 0900EST

0 0

Heavy Snow

Heavy lake effect snow accumulated six to seven inches near the lakeshore and up to 18 inches inland (Franklin Center).

PAZ001>003

Northern Erie - Southern Erie - Crawford

13 0130EST  
1200EST

0 0 15K

Winter Storm

Freezing rain and sleet changed to snow in the early morning hours. Most areas had 1/4 inch of ice and an average snow accumulation of three to five inches with eight inches reported in the city of Erie (Erie County). Roads were ice and snow covered and extremely slippery.

PAZ001>003

Northern Erie - Southern Erie - Crawford

14 2200EST  
15 0700EST

0 0

Heavy Snow

Heavy snow accumulated an average of six to eight inches.

PAZ001>003

Northern Erie - Southern Erie - Crawford

16 0000EST  
17 2359EST

0 0 150K

Heavy Snow

Snow and ice cover that had accumulated since late December averaged 20 inches at the lakeshore to over 30 inches inland. The weight caused structures to collapse and damage to trees. Pipes burst because of the cold temperatures.

Crawford County  
Countywide

23 1700EST  
24 2300EST

0 0 50K

Flood

Snowmelt and rain that fell for several days caused flooding of streams, including French Creek, several roads and a few basements